

TRANSLATION

PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 04P00091	FOR FURTHER ACTION	See Form PCT/IPEA/416
International application No. PCT/JP2005/001853	International filing date (<i>day/month/year</i>) 08.02.2005	Priority date (<i>day/month/year</i>) 18.02.2004
International Patent Classification (IPC) or national classification and IPC B41J11/00 (2006.01) , B41J11/42 (2006.01)		
Applicant SEIKO INSTRUMENTS INC.		

1. This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.
2. This REPORT consists of a total of <u>6</u> sheets, including this cover sheet.
3. This report is also accompanied by ANNEXES, comprising: a. <input type="checkbox"/> (<i>sent to the applicant and to the International Bureau</i>) a total of _____ sheets, as follows: <input type="checkbox"/> sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions). <input type="checkbox"/> sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box. b. <input type="checkbox"/> (<i>sent to the International Bureau only</i>) a total of (indicate type and number of electronic carrier(s)) _____, containing a sequence listing and/or tables related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).
4. This report contains indications relating to the following items: <input checked="" type="checkbox"/> Box No. I Basis of the report <input type="checkbox"/> Box No. II Priority <input type="checkbox"/> Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability <input type="checkbox"/> Box No. IV Lack of unity of invention <input checked="" type="checkbox"/> Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement <input type="checkbox"/> Box No. VI Certain documents cited <input checked="" type="checkbox"/> Box No. VII Certain defects in the international application <input type="checkbox"/> Box No. VIII Certain observations on the international application

Date of submission of the demand	Date of completion of this report
Name and mailing address of the IPEA/JP	Authorized officer
Facsimile No.	Telephone No.

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/JP2005/001853

Box No. I Basis of the report

1. With regard to the **language**, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item.
- ☐ This report is based on translations from the original language into the following language _____, which is the language of a translation furnished for the purposes of:
- ☐ international search (Rule 12.3 and 23.1(b))
- ☐ publication of the international application (Rule 12.4)
- ☐ international preliminary examination (Rule 55.2 and/or 55.3)
2. With regard to the **elements** of the international application, this report is based on *(replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report)*:
- ☒ the international application as originally filed/furnished
- ☐ the description:
- pages _____ as originally filed/furnished
- pages* _____ received by this Authority on _____
- pages* _____ received by this Authority on _____
- ☐ the claims:
- nos. _____ as originally filed/furnished
- nos.* _____ as amended (together with any statement) under Article 19
- nos.* _____ received by this Authority on _____
- nos.* _____ received by this Authority on _____
- ☐ the drawings:
- sheets _____ as originally filed/furnished
- sheets* _____ received by this Authority on _____
- sheets* _____ received by this Authority on _____
- ☐ a sequence listing and/or any related table(s) – see Supplemental Box Relating to Sequence Listing.
3. ☐ The amendments have resulted in the cancellation of:
- ☐ the description, pages _____
- ☐ the claims, nos. _____
- ☐ the drawings, sheets/figs _____
- ☐ the sequence listing (*specify*): _____
- ☐ any table(s) related to sequence listing (*specify*): _____
4. ☐ This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).
- ☐ the description, pages _____
- ☐ the claims, nos. _____
- ☐ the drawings, sheets/figs _____
- ☐ the sequence listing (*specify*): _____
- ☐ any table(s) related to sequence listing (*specify*): _____

* If item 4 applies, some or all of those sheets may be marked "superseded."

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/JP2005/001853

Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement		
1.	Statement		
	Novelty (N)	Claims <u>1-5</u>	YES
		Claims _____	NO
	Inventive step (IS)	Claims <u>2</u>	YES
		Claims <u>1, 3-5</u>	NO
	Industrial applicability (IA)	Claims <u>1-5</u>	YES
		Claims _____	NO
2.	Citations and explanations (Rule 70.7)		
	<p>Document 1: JP 2003-326779 A (Canon Inc.), 19 November 2003, paragraph [0021]</p> <p>Document 2: JP 11-320989 A (Matsushita Electric Industrial Co., Ltd.), 24 November 1999, paragraph [0027]</p> <p>Document 3: JP 2003-182168 A (Muto Kogyo Kabushiki Kaisha), 03 July 2003, paragraphs [0006] and [0010]</p> <p>The invention set forth in claim 1 does not involve an inventive step in the light of document 1 and document 2 cited in the international search report. The ink jet printer that is disclosed in document 1 and the printing device that is disclosed in document 2 both belong to closely related technical fields; therefore, it would have been easy for a person skilled in the art to conceive of applying the carrying method (normal rotation, reverse rotation, normal rotation) for preventing the adhesion of the recording paper in the invention disclosed in document 2 in order to prevent the adhesion of the recording paper in the ink jet printer disclosed in document 1, which is equipped with a platen that has a suction means.</p>		

Box No. V

Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability;
citations and explanations supporting such statement

When applying the abovementioned method, a person skilled in the art could determine the timing for carrying out the adhesion prevention method disclosed in document 2 in the printer disclosed in document 1, and the configuration wherein said method is implemented prior to the carrying operation in each path is merely a simple design matter.

The invention set forth in claim 2 involves an inventive step in relation to the documents that are cited in the international search report. Document 2 does not disclose the feature wherein [the paper] is repeatedly carried in the normal direction for a distance (L1) and then in the reverse direction for a distance (L1 + $\Delta L1$) a plurality (n number) of times, whereafter [the paper] is carried in the normal direction for a distance (n x $\Delta L1$). On the other hand, the invention set forth in claim 2 of the present application exhibits an advantageous effect in that it is possible to reliably pull off the paper as a result of the feature in question, even in cases when the paper tends to stick.

The invention set forth in claim 3 does not involve an inventive step in the light of document 1 and document 2 cited in the international search report. When applying the carrying method disclosed in document 2 in the invention disclosed in document 1, the exact distance that the paper is carried is merely a design matter.

The inventions set forth in claims 4 and 5 do not involve an inventive step in the light of documents 1 to 3 cited in the international search report. Document 3 discloses an ink jet printer wherein the platen is equipped with a heater and the ink is a solvent-based ink. Such being the case, it would have been easy for a

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/JP2005/001853

Box No. V**Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability;
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person skilled in the art to conceive of applying the configurations in question in the ink jet printer disclosed in document 1.

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/JP2005/001853

Box No. VII **Certain defects in the international application**

The following defects in the form or contents of the international application have been noted:

Claim 3 sets forth the "image formation device claimed in claim 2 or claim 3"; however, the disclosure in question is in error, and should instead indicate the "image formation device claimed in claim 1 or claim 2."